CH2MHILL
Plateau Remediation Company

# Monthly Performance Report

**J. G. Lehew**
**President and Chief Executive Officer**

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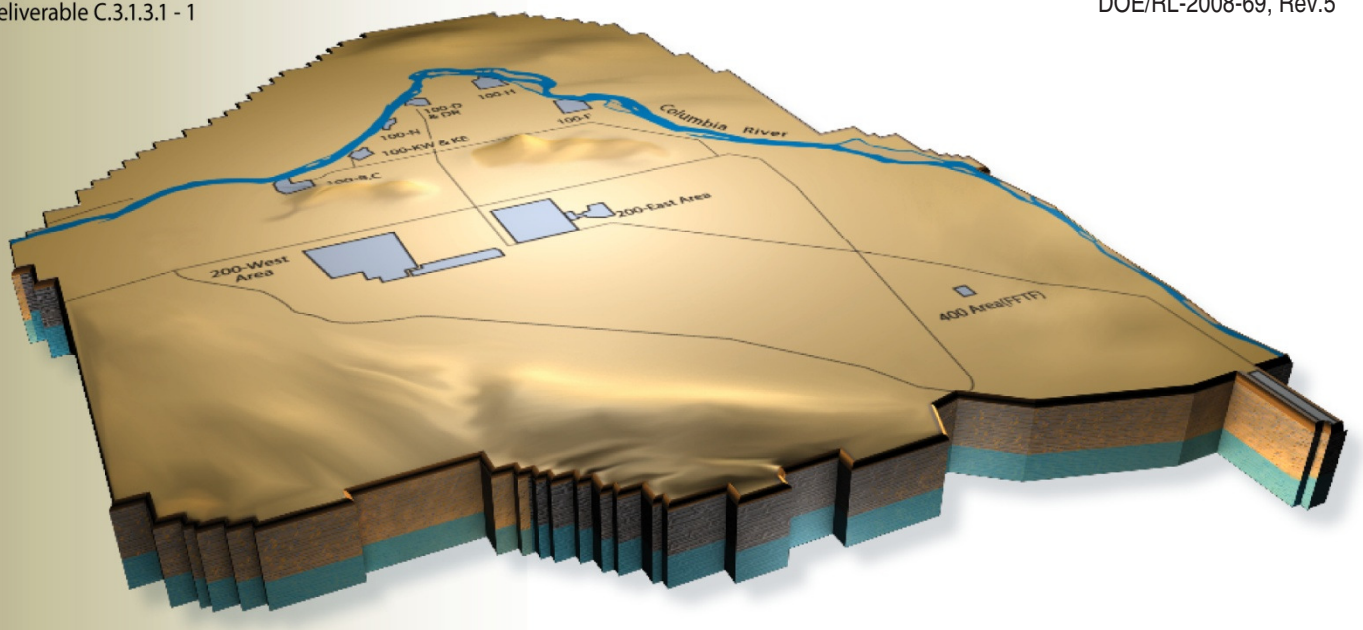
DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

**March 2009**

DOE/RL-2008-69, Rev.5



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## PROJECT BASELINE SUMMARY SECTIONS



## APPENDICES

# EXECUTIVE SUMMARY

## Focus on Safety

During March, the CHPRC team continued preparations for declaring readiness for Integrated Safety Management System/Environmental Management System (ISMS/EMS) Phase I Verification on June 30. Work was done on the draft ISMS/EMS Description Document and its associated documents and procedures for submittal to DOE-RL by April 30. In support of that effort, more than 600 CHPRC procedures adopted from the Project Hanford Management Contract have been assessed since the CHPRC contract began on October 1, 2008, to determine those that can be used in their current form and those that need revision.


A new ISMS/EMS graphic has been designed which illustrates the key components of ISMS/EMS: ISMS/EMS guiding principles, ISMS core functions, EMS core elements, and safety initiatives. Together, these components provide the foundation for doing work safely.

The ISMS/EMS graphic will be widely distributed throughout all CHPRC projects.

CHPRC's Waste and Fuels Management Project sponsored the March 2009 Presidents' Zero Accident Council (PZAC) meeting. The theme of the meeting centered around effectively planning work and executing by applying deliberate speed to achieve a zero accident result. The presentation team also used some real life video clips of close call incidents to generate discussion on the importance of ISMS/EMS core function utilization.

**Ty Blackford, Vice President, Waste and Fuels Management Project, addresses participants during the March PZAC meeting.**

Following passage of the American Recovery and Reinvestment Act (ARRA), DOE-RL engaged CHPRC in advanced planning activities to facilitate implementation of the ARRA work scope. Initial planning efforts included organizing a CHPRC Job Fair, establishing a hotline, and developing a website for potential candidates to join the CHPRC team.

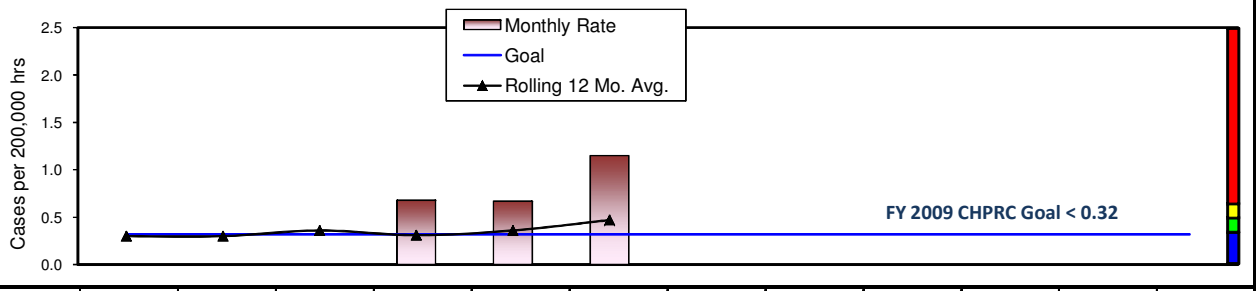
CHPRC teams began preparing for the May 12-13 Health and Safety Expo. Ten booths, hosted by project and program representatives, will represent CHPRC at this year's event. The safety and health-related themes include showcasing safe work practices at the Hanford Site and promoting safety in the home and at work.

Results from the Employee Safety Culture Survey were finalized in March and preparations made for communicating the information to employees in April.

## TARGET ZERO PERFORMANCE

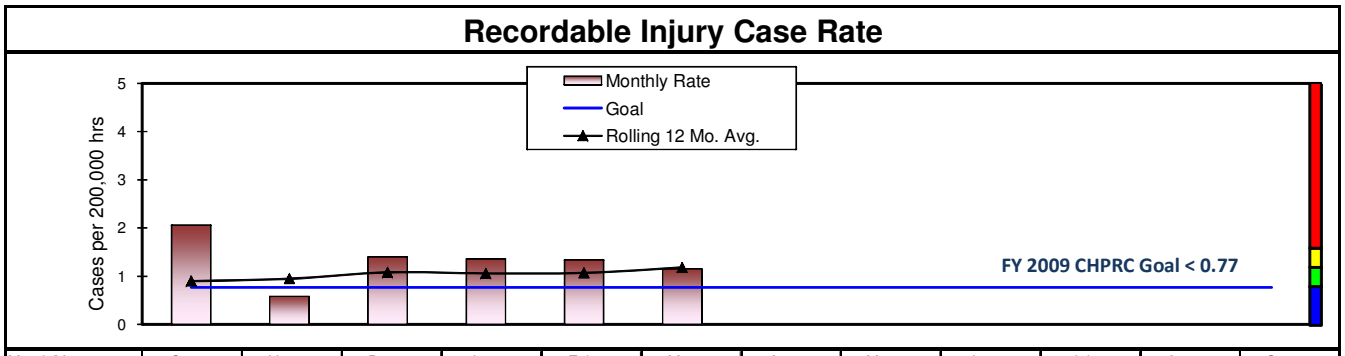
CHPRC continued focusing on integrating safety programs in all work planning and business systems and on promoting "Thinking Target Zero."

**Days Away, Restricted or Transferred Workdays Case Rate**



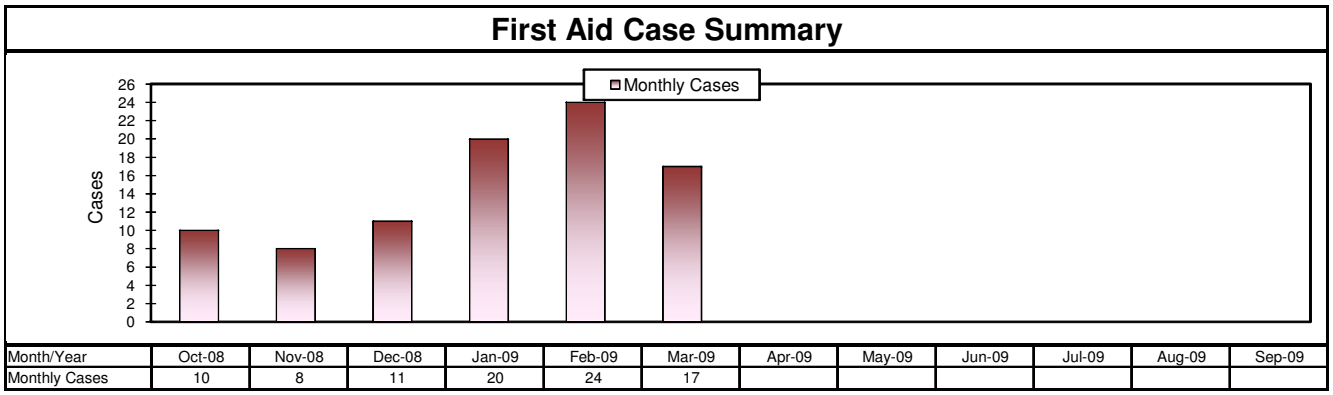

| Month/Year | Oct-08 | Nov-08 | Dec-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Rate | 0.00 | 0.00 | 0.00 | 0.68 | 0.67 | 1.15 | | | | | | |
| Rolling 12 Mo. Avg. | 0.30 | 0.30 | 0.36 | 0.31 | 0.36 | 0.47 | | | | | | |
| Company Goal | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| Rolling Score | Blue | Blue | Green | Blue | Green | Green | | | | | | |

**Days Away, Restricted or Transferred (DART) Workdays Case Rate** - CHPRC operated over 348,000 hours in March bringing the total hours worked to over 1.8 million hours for the fiscal year. In March, CHPRC incurred both a Days Away Injury Case and a Restricted Work Case. On March 1, 2009, a D&D Worker reportedly incurred a back injury while manually shoveling crushed rock/gravel to expose a pump. The work activity lasted approximately 3.5 hours, with no mention of discomfort or physical problem to the Supervisor at the days' conclusion. The Worker elected to not report to the job on March 2, and was diagnosed with a back strain following a visit to a private physician on March 3, 2009. This case resulted in 22 days away from work. A Restricted Workday Case also occurred in March, the result of an employee incurring a left shoulder strain while using a portable power tool to drill into a door actuator to drain oil. The work restriction was imposed by the medical attendant to preclude temporary use of the left arm to perform work.




| Month/Year | Oct-08 | Nov-08 | Dec-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Rate | 2.06 | 0.58 | 1.40 | 1.36 | 1.34 | 1.15 | | | | | | |
| Rolling 12 Mo. Avg. | 0.90 | 0.95 | 1.08 | 1.06 | 1.07 | 1.18 | | | | | | |
| Company Goal | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 |
| Rolling Score | Green | Green | Green | Green | Green | Yellow | | | | | | |

**Recordable Injury Case Rate** – As noted above, both of the recordable injuries experienced in March were DART Cases. The Recordable Injury Case Rate chart reflects a slight increase in the Rolling 12 Month Average. The rate of 1.18 exceeds the upper level of the Green range by 0.08 – thus resulting in a reduced score to Yellow. No specific trend in injury type or cause has been identified, following a review of the 12 recordable injury cases for the fiscal year.



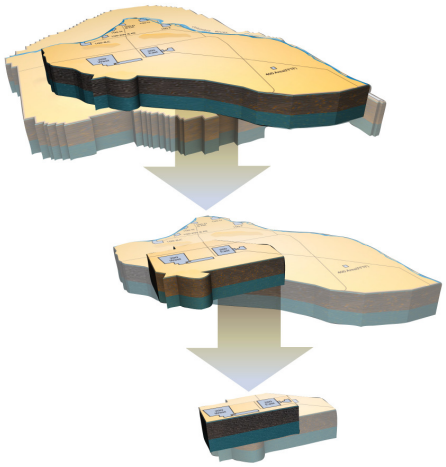

| Month/Year | Oct-08 | Nov-08 | Dec-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Cases | 10 | 8 | 11 | 20 | 24 | 17 | | | | | | |

**First Aid Case Summary** - CHPRC experienced a total of 17 first aid cases during March, down from 24 in February. Nine of the 17 March cases resulted in a sprain/strain injury. Through the fiscal year, a total of 87 first aid cases have been reported – with 37 of those also falling into the category of a sprain/strain. This injury type is approaching nearly 44% of all first aid cases reported. In response to this, CHPRC is planning additional communications to the workforce during the month of April relating to importance of job-specific hazard analysis focusing on work task body mechanics demands, and the importance of flexibility warm-ups and personal conditioning as prevention tools. CHPRC is also evaluating, with worker involvement and input, adoption of a behavioral safety program which has its roots at the Idaho Cleanup Project and is designed as a worker-driven program to identify at-risk and safe behaviors. Such process is closely linked to the CHPRC Human Performance Improvement initiative, and presents opportunities to further improve injury reduction efforts.

# PROGRAM SUMMARIES

## Safety, Health, Security, and Quality

During March, CHPRC continued to focus on activities supporting safe achievement of DOE's 2015 vision. Four *Thinking Target Zero* communication messages were developed to address: Housekeeping, Smoke-Free Work Environment policy revisions, Employee Job Task Analysis (EJTA), and the ISMS/EMS Wheel. The Wheel has been revised to graphically identify the four major Program components consisting of 11 ISMS/EMS guiding principles, 7 ISMS core functions, 5 EMS core elements, and 4 safety initiatives. CHPRC Projects continue to utilize this material to supplement tool box, work planning, and staff-related meetings with pertinent safety educational information.



**Reducing the active cleanup footprint will free up resources, reduce risk, and demonstrate measureable progress towards cleanup of the Hanford Site.**

Of notable significance was the formal transmittal of the CHPRC 10 CFR 851 Worker Safety and Health Program Description for DOE/RL review and approval.

CHPRC's Waste and Fuels Management Project sponsored the March 2009 Presidents' Zero Accident Council (PZAC) meeting. The theme of the meeting centered around effectively planning work and executing by applying deliberate speed to achieve a zero accident result. The presentation team also used some real life video clips of close call incidents to generate discussion on the importance of ISMS/EMS core function utilization.

Work continued toward completing ISMS/EMS Phase I Verification. We further enhanced the project team and assigned additional resources to focus on continued prioritization and critical action tracking, support procedure updates and develop a comprehensive schedule. Efforts continued on development of updates of the ISMS/EMS Implementation Plan and the ISMS/EMS Description. Several documents, including Radiation Protection Program, Worker Safety and Health, Unreviewed Safety Question Process, Quality Assurance Program Description and Contractor Assurance System, were submitted to DOE-RL for approval, in accordance with the March 31 contractual commitment.

Program level ISMS documents are the largest fraction of the more than 600 CHPRC procedures reviewed. Program level document preparation status through March is as follows:

**ISMS Program Level Document Preparation Status**

| TOTAL ISMS | REVIEW/EVAL COMPLETE | ENDORSED/ NO ACTION | CHANGE/FACELIFT | | REVISION | | NEW | CANCEL | |
|---|---|---|---|---|---|---|---|---|---|
| | | | To Do | COMPLETE | To Do | COMPLETE | COMPLETE | To Do | COMPLETE |
| 409 | 409 | 38 | 135 | 49 | 122 | 36 | 15 | 93 | 5 |

Functional Programs continued to review, revise, and roll-out Level I documents (e.g., procedures) to support Worker Safety and Health Program (WSHP) implementation, and ISMS Phase I Verification activities. A new procedure on Biohazard Safety is being developed for CHPRC Project use.

During March, Occupational Safety and Industrial Hygiene (OS&IH) Programs staff focused additional attention on the following:

- Through the Human Performance Improvement (HPI) Champions Steering Committee, OS&IH sponsored a Site visit by a DOE Idaho National Laboratory INL - CH2M/WG) representative. The purpose of the visit was to review the INL Safety Observation Program, and further evaluate for application here at the CHPRC. The Program, referred to as COBRA (*Changing Our Behavior Reduces Accidents*), was well received by the CHPRC Project representatives in attendance, and is currently under consideration.
- In anticipation of support of ARRA work scope, OS&IH began planning for recruiting qualified industrial hygienists and occupational safety professionals.
- OS&IH provided technical authority support to the Canister Storage Building management team in analyzing fall protection hazards and engineering controls for work on the Material Handling Machine system.
- OS&IH commenced with activity planning to sponsor a booth at the Hanford Health and Safety Expo 2009, to be held in May. Participants are developing a safety awareness theme, based on the CHPRC's *Big 6* Hazard Wheel.
- CHPRC's Respiratory Protection Program Administrator (RPPA) is developing an implementation strategy for the in-house servicing and maintenance of MSA and 3M powered air purifying respirators (PAPRs), with the planned elimination of such services from the Fluor Hanford Fire Department.
- CHPRC OS&IH is continuing to serve in a leadership role in the development of a multi-contractor/sitewide Chronic Beryllium Disease Prevention Program, and is formulating implementation plans for CHPRC building identification and analysis, postings, and training.
- In response to DOE/Headquarters EM-62 comments relating to hoisting and rigging observations at one CHPRC Project involving use of spotters and taglines, and exposure to pinch points, OS&IH is evaluating current Site standards/practices, and determining depth and breadth for issuance of supplemental guidance.
- OS&IH participated in the March 2009 DOE/Headquarters EM-61 Assessment of Occupational Injury and Illness Reporting and Recordkeeping, which included support of previous Fluor Hanford, Inc. work scope now belonging to CHPRC (i.e., pre- 10/01/2008). Minor issues identified at Fluor Hanford are being evaluated for commonality in the CHPRC program, and may be applied to enhance our current system.
- The OS&IH Electrical Safety Technical Authority, with support from Engineering and the HAMTC SME, completed gap-level training to affected Project workers on the 2009 changes to NFPA 70E.

Radiological Protection completed contract deliverable C.3.2.3-4 by submitting the Radiation Protection Program (CHPRC-00072) to DOE-RL for approval. The RPP was submitted after two rounds of advanced review with the Client and prompt approval of the document is expected. Other progress in March included:

- Continued ISMS Phase I activities and issued commitment to radiological excellence and ALARA (a collaborative effort between HAMTC and Senior Management).

- Completed the management assessment of sealed radioactive source control. The effort identified areas for improvement and established an accurate CHPRC source inventory at 933 sources.
- Transitioning "dosimetry operations" in-house. Staff are hired, procedures drafted, and efforts are on track for a smooth transition by April 1.
- Revised statistical protocols for whole body counting, reducing the number of false-positive counts by 50%.

Work Control issued *Hazard Review Board* (HRB) procedure PRC-PRO-WKM-40004 on March 17, replacing PRC-MD-003, and issued *PRC Work Management* procedure PRC-PRO-WKM-12115 on March 19 with a 30-day implementation period. Highlights include integration of the HRB process, two new appendices with specialized information related to D4 and work document review requirements, added provisions for temporary changes and minor FMP changes during field work, strengthened expectations related to work document format, prerequisites and release, and changing LOTO boundaries during the field work. Work Control also closed three Action Requests and two CRRS activities that required publication of HRB or Work Management procedure revisions. Staff also conducted training classes on Work Management Overview and Effective Work Planning for CHPRC personnel, and on-site Field Work Supervisor training for FGG personnel. Six briefings directed at different audiences addressed implementation of WHA and revisions to PRO-12115. Required reading was distributed for qualified work planners along with a change summary of procedure changes and related information for those unable to attend briefings. One document, HNF-GD-11124, Resource Allocation, was cancelled.

ISMS verification activities for Work Control included assisting other functional groups in understanding how work management ensures various areas are considered when developing work documents, and continuing to update procedures and forms as appropriate. Staff also completed support of in-field investigation and draft report as part of the ISMS assessment at PFP/BOS. Assessment Report CHPRC-QPA-2009-009 was issued April 1.

Work Control completed formal review of PRC-PRO-WKM-079, *Job Hazard Analysis* and prepared PRC-GD-WKM-17132, *AJHA Process Guide*, for formal review. Interfacing with facilities and Radcon continued addressing actions from a DOE Radcon Assessment. Corrective Action Plan actions completed on March 31, with one additional action to be completed by May 1.

Work Control also supported turn-over of the new M&TE database and training of users. All CHPRC, FH, and WRPS tool cribs are now using the new M&TE database, which enables global access to location/status of all M&TE used by these three contractors.

CHPRC submitted several Nuclear Safety items to DOE-RL for review and approval, including:

- *Annual Update of the 209-E Facility Documented Safety Analysis*
- *Revision To HNF-SD-WM-SAR-062, 105-KW Final Safety Analysis Report, for Retrieval of Material In the Integrated Water Treatment System Settler Tanks*
- *Dirt and Burial Ground Debris SPA Checklists for K East Basin Demolition of Floor and Walls*
- *105-KW Basin Final Safety Analysis Report to Support Knock-Out Pot Safety Classification Downgrade and Material Transfer*
- *Sand Filter Monolith SPA Checklist*

- *Re-Submittal of Annual Update of the 224-B Facility Documented Safety Analysis*
- *Annual Update To the Master Documented Safety Analysis for the Solid Waste Operations Complex, Revision 6, the Technical Safety Requirements for the Solid Waste Operations Complex, Revision 6, and the Unreviewed Safety Question Evaluation Summary*
- *IXC Monolith SPA Checklist*
- *Sand Filter Monolith Tiedown Analysis*
- *Annual Update of the Reduction-Oxidation Facility Documented Safety Analysis*
- *Unreviewed Safety Question Process, PRC-PRO-NS-062, Revision 0*
- *Knock-Out Pot Disposition Project Major Modification Determination for the 105-K West Basin, Cold Vacuum Drying Facility, and Canister Storage Building*

CHPRC received DOE-RL approval of:

- *Documented Safety Analysis (DSA) for the Demolition of the 105-KE Basin Lower Walls and Substructure*
- *Plutonium Finishing Plant (PFP) Justification for Continued Operations (JCO), HNF-39603, Revision 1*
- *Waste Encapsulation and Storage Facility (WESF) Authorization Agreement (AA) Annual Update*
- *Fast Flux Test Facility (FFTF) Safety Basis Annual Update and Unreviewed Safety Question Evaluations*
- *Unirradiated Legacy Fuel Shipments: Authorization to Ship*
- *Application of U.S. Nuclear Regulatory Commission (NRC) Equivalency to New Sludge Treatment Project Facilities*
- *Transmittal of PRC-NS-00004, Criticality Safety Program Description Document*
- *CHPRC Sand Filter and IXC Monolith Spa Checklist (including Sand Filter Tiedown Analysis)*

**Environmental Program and Regulatory Management (EP&RM)**

CHPRC Environmental staff supported three external inspections:

- The State of Washington, Department of Health, Radioactive Air Emissions Section issued a letter closing out the January 2009 inspection of stack 296-P-31I (EU ID 210) at the 209-E facility. No concerns were noted.
- A follow up to the February 2009 inspection of emission unit 291-B-1 (B-Plant Main Stack) was completed by the State of Washington, Department of Health, Radioactive Air Emissions Section. The inspection focused on maintenance and operation of the stack.
- RL identified some copy paper purchased by CHPRC that did not contain 30% recycled content as required. This issue was documented by an Operational Assessment. Actions were taken to increase awareness and prevent recurrence.

Environmental Quality Assurance (EQA) completed two environmental surveillance activities:

- QA-EQA-SURV-09-06 was a scheduled activity (IEP # 6762) entitled “Review of NESHAPS criteria at the PFP Z-1 Major Stack.” One finding was identified and entered into the Condition Report and Resolution System (CRRS).
- Management Assessment EPRM-EP-09-MA-02, Natural Resource Protection Program Compliance & Implementation, was completed. Three opportunities for improvement and one noteworthy practice resulted from this activity.

**Strategic Planning and Outreach**

CHPRC completed its quantitative risk and uncertainty analysis of the FY 2009 baseline using Pertmaster "Monte Carlo" software in order to compare established FY 2009 management reserve (MR) values from the IPMB submittal to those established using a quantitative approach. The results were presented to the DOE-RL risk management lead and members of his team. As expected, the modeled output using Pertmaster at a 50% cost confidence did not match the values in the FY 2009 plan. The FY 2009 MR values were determined during contract transition without the use of "Monte Carlo" simulation techniques. Based on the modeled output, the PBS-012 MR in the FY 2009 plan is substantially below that indicated to be needed based solely on the "Monte Carlo" modeling.

A number of crosscutting risks and opportunities have been identified. While many of these risks are believed to be client risks, e.g., CHPRC contribution increases to the pension fund or the Hanford Employee Welfare Trust (HEWT), site technetium-99 disposal inventory limits, etc., there are several risks that must be managed and addressed by the CHPRC. One of the most critical crosscutting risks for the near-term is obtaining the right labor mix to meet the project needs, particularly with the increased funding and associated work scope accelerations anticipated from the American Recovery and Reinvestment Act (ARRA).

Crosscutting opportunities include actions to streamline procurement processes, procedure management, and training. Additionally, information management improvements, including right-sizing hardware and communications and increasing the utilization of wireless systems are being pursued. These opportunities should increase efficiency, reduce response times, reduce costs, and support the successful acceleration of site closure activities.

**Engineering Procurement and Construction (EPC)**

The Sludge Treatment Project (STP) went through an External Technical Review from DOE-HQ on the outcome of the Phase 1 Alternatives Analysis. STP continued development and testing in support of the CHPRC recommended alternative for retrieval. STP completed sampling sludge from Engineered Containers #240, 250 and 260, which completes sampling of KE floor and pit sludge. EPA approved the Remedial Design Change for Knock Off Pot PCB decontamination, eliminating the need to control it as TSCA regulated waste.

The 200 Area Interim Storage Area Upgrades, the Outside Storage Unit base was constructed and the steel prefabricated, Protected Area fencing and lighting were installed, the outer ecology block walls were constructed, PIDAS system installation started, and the construction of the 2701-HV hardened addition was completed.

The Modutank replacement project prepared the EE/CA for relining Tank #2 and awarded the subcontract to perform the relining work.

The K West Pump & Treat Expansion project was turned over to operations. The engineering contract was awarded for the HR3/Dx Pump & Treat Project. The construction was started on the K Alignment Phase 1 Pump & Treat project.

On the 200 West Pump and Treat project, the RD/RA Work Plan and Institutional Control Plan were submitted to EPA. The long-lead equipment specifications were issued for internal review and the EW-1 Aquifer Test Plan was issued.

**Engineering**

Engineering supported the KW Basin Project with the evaluation and remediation of a sink hole (erosion) near sump D. After evaluation and additional investigative excavation, the sink hole was filled and compacted with top soil.

CHPRC Engineering led a DOE complex-wide meeting. The focus of the meeting was to share System Engineer (SE) Program/Vital Safety System information among the primary DOE site contractors. Information shared included SE Training and Qualification, Trending, Notebooks, Aging System Management, and Commercial Grade Item procurement and dedication. A meeting among the key Hanford SE/SSO programs has been scheduled for April 14; CHPRC organized and will host the meeting.

Engineering has been contracted to perform an independent review of the Parsons Technology Development and Fabrication Complex Welding Program. Several recent issues involving welded fabrication, at the Pasco, Washington facility, have been identified and require assessment.

Engineering met with PFP Engineering personnel to discuss implementation of the Work Package Configuration Management process. Options were discussed that include the preparation of a White Paper by PFP Engineering to define a red-line process for D4 activities. Engineering will evaluate/concur with any PFP proposals and make any needed adjustments to existing procedures.

Engineering reviewed the results of a PFP engineering evaluation that considered four mitigation approaches to address issues in the electrical switchgear room at 234-5Z, and provided technical recommendations. This action was in response to a September 7, 2008, letter from DOE to the Defense Nuclear Facility Safety Board (DNFSB) and follow-up dialog between plant personnel and DOE.

Engineering completed an Effectiveness Review for RL Surveillance Report S-06-SED-FHI-001 by independently verifying corrective actions were effectively implemented to address potential risks beyond nuclear safety for the assignment of procurement quality levels.

Engineering met with KE D&D project staff at the KE Basin site to review the D&D process of removing the IXC and Sand Filter and the deep excavation, down to minus 30 feet, and removal of the KE Basin substructure.

Engineering assisted DOE-RL in developing a slide presentation for the Workshop on Fire Protection of Confinement Ventilation Systems that was held at Oak Ridge, Tennessee, April 7 and 8, 2009.

**Business Services and Project Controls**

CHPRC continued development of the Performance Measurement Baseline (PMB).

Initial Earned Value Management System (EVMS) training for Control Account Managers was completed in March.

All ISMS Phase 1 Procurement, Facilities, Material, Interface Management and Property Procedures were drafted and submitted to central Procedure group for processing. PRC-PRO-AC-335 - Purchasing Card, PRC-PRO-AC-28249 - On-Site Material Deliveries, PRC-RD-AC-10320 – Acquisition System Requirements, PRC-PROI-AC-192 – BTR Assignment and Duties, and PRC-PRO-IR-070 – Plant Forces Review have been completed and published.

CHPRC continues to perform the 100% physical inventory property audit. Property Management set the 100% physical inventory baseline on February 28, 2009, consisting of over 11,200 items. At March month end, 46.7% (up from 3% at February month end) of the 11,200 items had been physically verified encompassing 66.2% of the total value. The target for completion of the inventory is July 31 with reconciliation and final reporting by September 30.

All remaining moves to configure CHPRC in the permanent base contract configuration were completed March 8. The 1200 Jadwin, 1933 Jadwin, and 3190 GWW locations have been vacated for base work scope and all CHPRC personnel are now consolidated into 2420 Stevens, Federal Building third floor, or the 100/200 Areas. At completion, approximately 665 moves were conducted without an injury.

Facilities space planning continued in anticipation of receipt of ARRA funding projected to support the addition of several hundred personnel over the next nine month period. CHPRC Facilities and Property Management is projecting over 90 temporary facilities in 14 potential site locations and two additional Richland facilities to support the ARRA. Progress to date includes: 1) verification there are sufficient single and double wide mobile offices in northwest stock to support needs, 2) double wide trailers will be connected with breezeways to form a 4-wide complex, 3) the SOW for mobile offices has been drafted, 4) Site Evaluation Maps and trailer placement scenarios will be prepared and, 5) furniture strategies such as buying used or securing from another site as excess underway.

In anticipation of ARRA funding, CHPRC forecasts a need for additional space in Richland. To meet the need, CHPRC prepared a lease justification request for RL approval to secure the second floor of 2425 Stevens Center Place, which is next to the main 2420 Stevens Center Place CHPRC headquarters. CHPRC anticipates RL approval approximately April 9. Additionally, CHPRC will continue to rent 3190 GWW as a temporary location to house new ARRA personnel pending completion of the new facilities on the Hanford Site.

In further anticipation of receiving ARRA funding, planning began to conduct a professional positions job fair to be held on April 3 and 4. CHPRC and the 11 pre-select subcontractors will attend. The focus will be initially on staff augmentation positions. Several thousand people are expected to attend and contingent job offers are planned to be made to qualified individuals.

CHPRC developed a draft estimate for the resources needed for the J.3 services associated with the ARRA and provided to FH for planning purposes.

CHPRC completed review and analysis of Waste Sites and Structures in the proposed Section J.13 and J.14 of the PRC Contract. CHPRC and FH are in agreement as to suggested changes as denoted in the RL draft update on the correspondence Web site. CHPRC also developed and presented a presentation for RL on the impacts of transferring Nuclear and permitted structures and wastes sites to CHPRC from TOC. The final determination is in work. In the interim, CHPRC provided/issued a SOW to WRPS to provide a mechanism for payment of services for the management of the nuclear and permitted waste sites and structures until ownership and transfer is resolved.

The Integrated Biological Controls Administrative Interface Agreement between FH, WRPS, WCH and CHPRC was completed in March. This is the culmination of a team effort that started in November of 2008 to improve interfaces between companies as they relate to the control, posting and clean up of biologically spread radiological materials.

In an effort to streamline large Construction Equipment purchases, any equipment purchases designated a quality level 0 ordered with a part number can now be procured using an E-BOM with a P-Card through the project Material Coordinators in lieu of processing through procurement.

# PROJECT SUMMARIES

### RL-0011 Nuclear Materials Stabilization and Disposition

The PFP project continues to maintain the PFP facilities compliant with authorization agreement requirements.

De-inventory of special nuclear material (SNM) continues for the 3013 containers. Fabrication of the Hanford Unirradiated Fuel Package containers is continuing. The first container was delivered in early February and mock-up training was completed in March.

D&D teams continue removing highly contaminated process equipment from the Plutonium Reclamation Facility (PRF) (236-Z Building), Analytical Laboratory, remote mechanical C line (RMC) within 234-5Z Building, and removing/disposing of gloveboxes and hoods from the process areas. Reducing the inventory of combustibles and excess chemicals is also receiving a high priority.

Work has been initiated on relocating the PFP SuperHenc to Los Alamos National Laboratory and is expected to be completed by the end of May.

### RL-0012 Spent Nuclear Fuel Stabilization and Disposition

Ongoing work at the K East Basin demolition saw the removal of the Sand Filter (SF) and Ion Exchange Column (IXC) in preparation for transportation to the Environmental Restoration Disposal Facility (ERDF). The Project worked closely with RL to close comments on the Safety Evaluation Report (SER) that was issued for the K East Basin Phase IV substructure demolition and progress was made in preparing for implementation and the Contractor Readiness Assessment (CRA). K West Basin operations continued in support of sludge sampling efforts and completed quarterly training to maintain Multi-Canister Overpack (MCO) readiness certifications.

The Sludge Treatment Project (STP) supported the DOE-HQ External Technical Review (ETR) team meetings. STP presented a number of topical presentations, followed by five detailed discussions spanning project strategy, technical basis, schedule for project development and cost/schedule estimates. The ETR team has delayed their report until STP delivers the T Plant versus Alternate Storage Location analysis, which is on schedule for transmittal on April 30.

STP completed additional sample shipments for SCS-250 and SCS-260, which completes sampling of all Engineered Containers with K East floor and pit sludge. Development and testing of top retrieval equipment, settler tube retrieval equipment, and KOP sorting equipment continues at MASF.

### RL-0013 Waste and Fuels Management Project

The Waste and Fuels Management Project (WFMP) focused on delivering safe, compliant performance.

The Waste Encapsulation and Storage Facility (WESF) completed the 90% design review for the Energy Savings Performance Contract (ESPC) and continued canyon activities to support capsule cart repairs (installation of fall protection equipment).

The Canister Storage Building (CSB)/Interim Storage Area (ISA) upgrades continue on schedule.

Mixed Low Level Waste (MLLW) Treatment completed shipment of planned FY 2009 Baseline M-91-42 and M-91-43 MLLW. In addition, the acquisition for new MLLW and LLW treatment services with PermaFix to support second half FY 2009 and out year waste disposition needs was completed.

TRU Retrieval completed retrieval of 250 $m^3$ of suspect-TRU waste, and initiated remediation of 218-W-3A Box 80 and backfill of 218-W-4B T7 Module 12 to reduce routine surveillance.

T Plant successfully completed the repackaging process for 63 TRU containers during the current period. In addition, compaction of all staged facility LLW was completed.

The 200 Area Effluent Treatment Facility (ETF) received 52 tankers and processed 1.9M gallons. The 200 Area Treated Effluent Disposal Facility (TEDF) processed 86M gallons, and the 310/340 Treated Effluent Disposal Facility processed 3.5M gallons.

The Mixed Waste Disposal Trenches shipped two on-site transfers (three containers), received five offsite shipments (31 containers), and received seven on-site transfers (47 containers).

Waste Support Services supported shipment of disposable solid waste casks (DSWCs) from FFTF to ERDF, completed LLW Milk Run #2 (waste from 5 facilities including CWC, MWDT, WRAP, U Plant, and T Plant).

**RL-0030 Soil, Groundwater and Vadose Zone Remediation**

The River Corridor pump and treat systems treated approximately 31 million gallons of groundwater and the Central Plateau pump and treat system treated approximately 11 million gallons of groundwater in March.

During the month of March, 180 well locations were sampled resulting in the collection of 717 groundwater samples. In addition, 98 aquifer tubes were sampled at 49 different sites, for a total of 175 samples being collected. The site-wide water level campaign was also completed in March; over 860 wells were tested using the new field-based computer system.

Well Management completed drilling and construction of the 100-KR-4 Injection wells, the first BC Cribs Soil Vapor Extraction well, the 100-HR-3 Iron Amendment well and completed seven 100-N Bioremediation wells for WCH. Well drilling was started on 15 300-FF-5 wells and final locations were defined for the 100-HR-3 RPO wells.

EPC Projects completed construction on the KW Expansion Project and turned over to Operations, started preparation of the EE/CA and awarded the contract for relining Modutank #2, started design on the HR3/DX project, and started construction on the K Alignment Phase 1 work. The 200 West Groundwater Treatment Project issued the Remedial Design/Remedial Action Work Plan (RD/RA WP) and Institutional Control Plan to DOE and EPA. Internal review of the 200W Pump & Treat long lead procurement specifications was started and the EW-1 Aquifer test Plan was issued.

### RL-0040 Nuclear Facility D&D, Remainder of Hanford

Balance of Site (BOS) initiated demolition of the fourth industrial structure and continued demolition preparation and asbestos abatement activities and procurement of equipment for decontamination and demolition (D&D) planned in FY 2009. The project is also preparing to ramp up staff and crews for American Recovery and Reinvestment Act work. Planned surveillance and maintenance (S&M) activities continued.

### RL-0041 Nuclear Facility D&D, River Corridor

The 100K Project completed demolition of mobile offices (MO) MO101, MO102, MO214, MO907, and MO928, and continued demolition of MO401 and MO402. Cold and Dark preparations continued in 1706KE, 1706KEL, 1706KER with utility trace and isolation and asbestos removal set up.

### RL-0042 Fast Flux Test Facility (FFTF) Closure

CHPRC continued progress on work leading toward turnover of Fast Flux Test Facility (FFTF) for surveillance and maintenance (S&M). The final two Disposable Solid Waste Casks (DSWCs) were shipped to the Environmental Restoration Disposal Facility (ERDF). On March 26, 2009, fire alarm panel upgrades were completed and access to the FFTF plant buildings was restricted to only that access necessary to accomplish specific tasks.

## KEY ACCOMPLISHMENTS

## RL-0011 Nuclear Materials Stabilization and Disposition

### 11.02 Maintain Safe and Compliant PFP

- A recovery plan on HEPA filter strength was previously prepared and submitted to RL. The submittal requested expedited approval of changes required for removing from service two rooms of HEPA filters that are more than 20 years old (filter rooms 311 and 316). RL transmitted the Safety Evaluation Report (SER) on March 12; final preparations for the field work are now in progress.
- Completion of the implementation plan for the annual updates to the facility Documented Safety Analyses (DSA) and Technical Safety Requirement (TSR) 2008 update is progressing and is on schedule to support the April 13, 2009, implementation due date.
- Upgrades to the supply fan spray wash systems for SF-6 and SF-7 continued in preparation for warmer temperatures.
- Completed replacement of Evaporative Cooler #11 in the 291-Z facility.
- Completed relamping of the High Mast Lighting system for the PFP.
- Completed annual testing of the 400 Buss electrical transfer to standby power system. All systems transferred and performed as planned.
- Continued field work to replace/upgrade the TSR-related Zone 1 to Zone 3 differential pressure recording system. Field work is scheduled to continue through April.

- Continued field work activities to improve performance of 234-5Z ventilation zones 3, 3A, and 3. Several damper components have been replaced, and electronic controller tuning has been completed for zone 3B. Tuning of the remaining zones is expected to commence in April.
- Completed removal/disposal of approximately 85% of excess combustibles throughout the PFP complex.

**11.04 Disposition SNM**

- Mockup activities are continuing for loading of the Hanford Unirradiated Fuel Package (HUFP). The empty Core Component Container (CCC) was successfully loaded into the HUFP.
- An audit of the fabrication of the HUFP similar to the audit performed on the fabrication of the 9975 shipping containers is planned for the week of April 13. The audit plan has been issued and provided to AREVA.
- The Hanford Unirradiated Fuel Package (HUFP) units 2, 3, 4 and 5 are ready to be shipped from the manufacturer. The units will be shipped after approval of the data packages by CHPRC.
- The startup plan for HUFP activities was issued and Phase 1 of the Activity Based Management Review (ABMR) completed.
- A letter was issued notifying DOE-HQ that a revision of the Safety Analysis Report for Packaging (SARP) has been initiated and requesting that the revision be placed on the docket for review.
- DOE-RL received a letter from the Office of Secure Transport approving the HUFP tie down system and procedure.
- A Quality Assurance (QA) audit of the HUFP and 9975 shipping containers was conducted the week of March 30. Several items were identified during the audit out brief. Actions on the items have been initiated. The draft audit report is expected the end of April for factual review.
- 50 Pipe Overpack Containers (POC) were transferred to the Los Alamos National Laboratory (LANL).
- A kick off meeting for the resumption of the residues process was held. The activities and schedule for disposition and shipment of the remaining standards was reviewed. A meeting was held to discuss the residues process operating procedure with the operational staff. It was determined that the glovebox filters did not need to be replaced prior to resumption of processing.
- Work on the completion of the required training for the residues process is continuing.

**11.05 Disposition PFP Facility**

- Re-gloving of the West Gallery gloveboxes in the Plant Reclamation Facility (PRF) was completed. Work planning for the internal strip out of these gloveboxes was also completed.
- PRF canyon crane work planning is near completion for the re-activation of the crane. The crane will be used for removal of the pencil tanks in the canyon.

- Four hoods were removed from Room 153 in the PFP Analytical Laboratory and removal of related gloveboxes has commenced. The first glovebox was disconnected from its exhaust ventilation system and removed from the laboratory.
- A new D&D team to support activities in 234-5Z Room 230C completed their classroom training and initiated their hands-on field qualifications. The D&D crew in 234-5Z Room 235B continued to configure three gloveboxes to be ready for chemical decontamination work.
- The back-out plan for facilities 234-5Z, 236-Z, 291-Z, and 243-Z, was issued for review.
- Completed work to establish appropriate vendor contracts for radiological decontamination support services, and contained the procurement of routinely used materials and equipment needed to support ramp-up of D&D at PFP.

## RL-0012 Spent Nuclear Fuel Stabilization and Disposition

### 12.02 K West Operations

- Completed 12 of 18 planned PAS-1 cask shipments. Additional samples taken in SCS-CON-220 due to plugging.
- Continued Knockout Pot (KOP) canister washing (12 of 32 completed).
- Completed 2 of 6 canisters in Phase III KOP testing.
- Began grouting of legacy waste drums – completed 15 of 81 drums.

### 12.13K East Basin Demolition

- Removed IXC and SF Monoliths and staged for shipment to ERDF.
- Continued preparations for CRA and commencement of Phase IV substructure demolition.
- Shipped 28 ERDF containers containing K East substructure waste.

### 12.16 Sludge Treatment Project (STP)

- Continued the EC sampling campaign, completed total of 6 Cores to date for SCS 240, 250 and 260. All cores have been shipped to PNNL for analysis.
- Supported the External Technical Review conducted by DOE-HQ on the two phased Alternatives Analysis recommendation. STP continued development of ETR review and Alternative Analysis deliverables including T Plant vs. Alternate Storage Location Analysis.
- Completed IWTS system hydraulic analysis, identifying a hose section to be replaced and a need to back flush the KOP assembly which allowed the washing of the Primary Cleaning Machine/Primary Process Table canisters to resume.
- EPA approved the Remedial Design Change for Knock Off Pot (KOP) PCB decontamination strategy as meeting the criteria for non-Toxic Substance Control Act (TSCA). Continued testing at MASF in support of settler tube retrieval, top retrieval, XAGO induction retrieval and KOP inspection and sorting.
- Completed initial drafts of the Process Flow Diagrams (PFDs), Mass Balance calculations, and Process System Descriptions for both direct loading the Sludge Transport and Storage Containers (STSCs) and loading of canisters for placement in STSCs.

## RL-0013 Waste and Fuels Management Project

### 13.02 Waste Encapsulation and Storage Facility (WESF)

- Completed 90% design review for the Energy Savings Performance Contract (ESPC)
- Continued canyon activities to support capsule cart repairs (installation of fall protection equipment)

### 13.03 Canister Storage Building (CSB)/Interim Storage Area (ISA)

- The Outside Storage Unit (OSU) base was constructed, all major steel assemblies were shop fabricated, and assembly was initiated at the site.
- All Protected Area fencing and gates were installed except intentional openings for construction access.
- ISA Lighting was installed (less final terminations in the hardened addition).
- The outer ecology block wall was completed (without closing off current access)
- Completed Patrol HQ generator installation and turnover of the facility restrooms for Patrol use.
- At 2701-HV, completed construction of hardened addition and four exterior robust walls; installed backup generator and automatic transfer switch; completed all interior wall construction and installed the two HVAC units.
- Began installation of Perimeter Intrusion Detection and Assessment System (PIDAS) and Alarm Monitoring Station (AMS) equipment.

### 13.04 Mixed Low Level Waste (MLLW) Treatment

- Completed shipment of FY 2009 planned M-91-42 and M-91-43 MLLW
  - M-91-42 - 106$m^3$ shipped offsite to treatment - 46.1$m^3$ was completed
  - M-91-43 - 44$^{m3}$ shipped to treatment
- Completed acquisition for new MLLW and LLW treatment services with PermaFix to support the second half of FY 2009 and out-year waste disposition needs

### 13.05 TRU Retrieval

- Completed retrieval of 250 $m^3$ of suspect-TRU waste
- Initiated remediation of 218-W-3A Box 80
- Initiated backfill of 218-W-4B T7 Module 12 to reduce routine surveillance

### 13.07 Waste Receiving and Processing Facility (WRAP)

- Completed repackaging:
  - WRAP 21 drums
  - T Plant 63 drums
- NDE: 47 drums
- NDA: 74 drums (32 were Type D -92 out of 258 Type D completed)
- Shipped 51.7 m3 MLLW to Perma-Fix North West

**13.08 T Plant**

- Completed repackaging operations on 63 prohibited item TRU containers this period
- Completed compaction of all staged facility LLW

**13.09 Central Waste Complex (CWC)**

- Received 5 FRP boxes from 218-W3A retrieval at CWC to meet 250 $m^3$ retrieval milestone
- Cleaned 5 CWC and maintenance areas of accumulated construction/operation material and debris
  - Shipped 410 cubic yards of debris material to Basin Disposal Incorporated.
  - Shipped 12 offsite shipments, 156 containers
  - Shipped four on-site transfers, 24 containers
  - Received one offsite RC shipment, two containers
  - Received 15 on-site transfers, 273 containers

**13.11 Liquid Effluent Facilities**

- 200 Area Effluent Treatment Facility received 52 tankers and processed 1.9M gallons wastewater
- 200 Area Treated Effluent Disposal Facility (TEDF) discharged 86M gallons of water
- 310/340 Treated Effluent Disposal Facility processed 3.5M gallons wastewater

**13.16 SNF Disposition**

- Completed construction of Outside Storage Unit (OSU) base (all major steel assemblies were shop fabricated, and assembly was initiated at the site)
- Complete installation of Protected Area fencing and gates except intentional openings for construction access
- Completed installation of ISA lighting
- Completed outer ecology block wall (without closing off roads currently in use).

**13.21 Mixed Waste Disposal Trenches**

- Received Hazard Review Board approval to begin Mixed Waste Disposal Trench (MWDT) operational layer
- Shipped two on-site transfers, three containers
- Received five offsite shipments, 31 containers
- Received seven on-site transfers, 47 containers

**Waste Support Services**

- Supported shipment of disposable solid waste casks (DSWCs) from FFTF to ERDF
- Completed LLW Milk Run #2. Waste was retrieved from 5 facilities (CWC, MWDT, WRAP, U Plant, and T Plant)

## RL-0030 Soil and Groundwater Remediation

### S&GRP

- Initiated acceptance testing at the expanded KW Pump and Treat System.
- Completed drilling and construction of the following wells:
  - 100-KR-4 Injection Wells C7061 and C7062
  - BC Cribs SVE Well C7047
  - 100-HR-3 Iron Amendment Well C7075
  - WCH 100-N Bioremediation Wells C7031, C7032, C7033, C7034, C7035, C7036, and C7037

### EPC Projects in Support of S&GRP

S&GRP and EPC staff worked together in accomplishing the following for the 200 West Groundwater Treatment Project:

- Submitted the RD/RA Work Plan to DOE (proposed TPA milestone M-016-23A)
- Submitted the Institutional Control Plan to DOE
- Issued the long lead procurement specifications for internal review
- Initiated the F Listed Waste evaluation
- Issued the EW-1 Aquifer Test Plan

EPC also support S&GPR by:

- Coordinated development of the Modutank Replacement EE/CA.
- Awarded the contract for relining of Modutank #2.
- Completed construction on the K West Pump & Treat Expansion Project and turned over to S&GW Operations.
- Awarded and kicked off the HR3/DX design contract.
- Started construction on the K Alignment Phase 1 work.

### 30.01 Integration and Assessment
### Environmental Strategic Planning

Several workshops were conducted with RL senior management in preparation for the Senior Executive Committee meeting scheduled for late April. The workshops focused on review of the overall strategy, the remedial action decision logic, and graphics and presentation materials for the upcoming meeting.

A number of meetings were held with the regulators on the "Outer Area/7$^{th}$ ROD" strategy, the Groundwater strategy, and the overall Inner Area strategy. These meetings were for the purpose of gaining regulator feedback on and input to the strategy.

### Document Review and Standardization

Document Review and Standardization personnel performed document review activities, integration, and/or comment resolution for eight decision and support documents, and progressed the following annotated outlines:

- Combined Remedial Investigation/Feasibility Study Work Plan – this draft was presented to RL on March 7, 2009. After incorporation of the comments, the document will be shared with the regulators.
- Remedial Action Closeout Report – the annotated outline for a Remedial Action Closeout Report has been distributed for CHPRC internal review. The intent of this outline is to establish what documentation will be used for the various stages of CERCLA site close-out.

**Risk and Modeling Integration Group**

Deliverable C.2.4.1.2-3, Risk Integration Process Document, was provided to RL during March. Other support activities included providing modeling support for the Deep Vadose Zone Treatability Study, 200-PO-1 and 200-UP-1 RI/FS, 100-D/H RI/FS Work Plan, and 200-MW-1 Operable Unit RI/FS.

**Environmental Database Management (EDM)**

- Loading of WCH Environmental Data into HEIS – All planned activities are complete. RL requested that the HEIS RIVERCOR Loader documentation be cleared for public release. When the documents are released, a forwarding letter will transmit them to RL, along with formal notice of completion.
- Automated Groundwater Sampling – Field Logging and Electronic Data Gathering (FLEDG) application and the Toughbooks (portable computer for capturing field data) have been release to GW Sampling Operations for production use.
- Environmental Database Management Needs Assessment – The workshops for generating user input and exchanging ideas on how to improve are complete. The information will be used to plan future development of environmental databases and applications and a draft report is expected by mid-April.

**30.03 Well Drilling and Decommissioning**

Completed drilling and construction of 100-KR-4 injection wells, the first BC Cribs Soil Vapor Extraction well, the 100-HR-3 iron amendment well and completed seven 100-N Bioremediation wells for WCH. Started drilling 15 300-FF-5 wells and defined final locations for 100-HR-3 RPO wells. Drilling continued on three 200-ZP-1 groundwater extraction wells for the 200 West Groundwater Pump and Treat system.

**River Corridor**
**30.11 100-KR-4 Operable Unit**

The following groundwater treatment was conducted 100-KR-4 Operable Unit:

- Approximately 11 million gallons at the 100-KR-4 pump and treat system.
- Approximately 2.9 million gallons at the 100-KW pump and treat system.
- Approximately 15.4 million gallons at the 100-KX pump and treat system.

Work continued to meet the proposed TPA milestone in late May to treat groundwater at a rate of 900 gpm, which requires completing acceptance testing of the KW system and completing construction and acceptance testing of the Phase 1 well realignment of the KX system. Operational testing of the KX pump and treat system is ongoing. Construction of the KW system expansion was completed and acceptance testing was initiated. Construction continues on the Phase 1 realignment of wells

connected to the KX system. Detailed design is underway to support Phase 2 realignment of wells connected to the KX and KR4 systems.

The following documents were in progress:

- Revision of the KW RDR/RAWP - RL comments were being incorporated into Draft A.
- K Area decision unit RI/FS work plan - Document was being readied for RL review.
- Supplemental Interim Action Monitoring Plan for the KR4 Operable Unit - the draft plan is in development.

### 30.13 100-HR-3 Operable Unit

The following groundwater treatment was conducted 100-HR-3 Operable Unit:

- Approximately 0.395 million gallons at 100-HR-3. This pumping volume is down significantly from last month due to an electrical power outage experienced in March and low river levels/
- Approximately 1.32 million gallons at 100-DR-5. This pumping volume is down from last month because one of the DR-5 inject wells is in need of maintenance.

Design modifications to 100-HR-3 and the DX expansion continued. A draft pre-conceptual technical memorandum for the DX system was issued as a continuation of Remedial Process Optimization.

The first series of resin tests at the 100-DR-5 pump and treat system was started in March.

## Central Plateau

### 30.21 200-PO-1 Operable Unit

Ecology approved a one-time purge sample water release for 28 wells selected for groundwater sampling as part of the remedial investigation.

### 30.22 200-UP-1 Operable Unit

Operated the pump and treat system with two extraction wells.

### 30.23 200-ZP-1 Operable Unit

- Operated 200-ZP-1 interim pump and treat system with 14 extraction wells.
- Two additional extraction wells in the vicinity of the T Tank Farm continue to pump water to the Effluent Treatment Facility.
- Treated approximately 11 million gallons of groundwater at 200-ZP-1 in March.
- Design work continues on schedule for the 200 West Area Groundwater Treatment System.
- Draft A Remedial Design/Remedial Action Work Plan was issued to EPA meeting the 180 day TPA delivery schedule following the signing of the ROD.
- Groundwater modeling was completed for this phase of the system design.
- Documentation was completed and materials are being ordered to support aquifer testing in the new extraction wells.
- Routine progress meetings were held with RL, Ecology and EPA to status them on the progress of the 200 West Area Groundwater Treatment System.
- Issued the SAP supporting the future T-6, T-7, and T-8 wells to be drilled in the vicinity of T Plant.

**30.24 200-PW-1 Soil Vapor Extraction (SVE)**
Passive SVE operations are ongoing. Active SVE operations began April 1 with the two new SVE units.

**30.30 300-FF-5 Operable Unit**
Received RL and EPA approval on the 300-FF-5 Infiltration Test Sampling and Analysis Plan.

**30.31 Regulatory Decisions & Closure Integration**

- 200-MW-1 – resolving CHPRC review comments on the draft FS for 200-MW-1.
- Submitted the Hexavalent Chromium Focus Feasibility Study for the 100 Area to DOE for review.
- 200-PW-1/3/6 – transmitted the Draft B Feasibility Study to RL for submittal to EPA.

**30.32 Deep Vadose Zone Treatability Test (DVZTT)**

- The Air Emissions Plan was reviewed by the regulators with minor comments; it is nearing completion. All other regulatory documents are approved.
- Design of the air handling system is complete and all equipment and material has arrived on site or is in the procurement system.

## RL-0040 Nuclear Facility D&D, Remainder of Hanford

**40.01 Regulatory Decisions and Closure Integration**

- U Canyon, including Cell 30
  - Completed work involving lock-out/tag-out for the mechanical preventive maintenance (PM) and the electrical PM
  - Completed relamping of the canyon and completed running the crane the distance of the canyon.
  - Completed 90% of the wire rope inspection. Completed electrical PM with exception of over travel limit switches for 10-ton and 75-ton hooks.
- Seven Industrial Buildings D&D
  - Completed mobilization activities (mobilizing heavy equipment, installing asbestos decontamination trailer, installing fencing, staging materials, etc.).
  - Continued Cold and Dark utility isolation activities.
  - Continued demolition preparation activities on remaining structures.
  - Continued asbestos abatement activities.
  - Demolished 2704-W.
- U Plant Regional Closure Zone (U Ancillary Facilities D&D)
  - Continued Cold and Dark utility isolation planning.
  - Continued mobilization activities, including setting up 4 new trailers.
  - Completed characterization activities.
  - Continued demolition preparation activities.
  - Continued asbestos abatement activities.
  - Completed demolition air-modeling.

- 212-N/-P/-R Buildings D&D
  - Continued D&D planning.
  - Continued Cold and Dark utility isolation.
  - Completed investigation of 212-R hot semi-works filter; completed nondestructive assay.
  - Continued mobilization activities (installing trailers, barriers, and signs).

- 200-CW-3 Waste Sites
  - Continued planning for waste site sampling.
- S&M
  - Re-attached communications cable at the Plutonium-Uranium Extraction Plant.
  - Cleared 90-day pad of all drums.

## RL-0041 Nuclear Facility D&D, River Corridor

### 41.02 RC PRC River Zone Environmental

- Completed demolition of mobile offices MO101, MO102, MO214, MO907, and MO928.
- Deactivation of 1706KE / 1706KEL / 1706KER are in progress.
  - Cold and dark preparations continue in the facilities
  - Work package planning in progress
  - Temporary lighting installation in progress
- Continued demolition of MO401 and MO402, and debris load-out and site stabilization of the former office area complex. Shipped 123 Basin Disposal Inc., (BDI) debris containers.
- Received front end loader and metal shear end effector, completing capital purchase.

## RL-0042 Fast Flux Test Facility (FFTF) Closure

### 42.01 FFTF Cleanup

- The second and third DSWCs were shipped to ERDF.
- Water was removed from the north end of the 4710 Building, the 4713-D Building, and the 4721 Building fuel oil centrifuge by cutting and capping individual supply lines.
- System testing was completed on the third fire alarm panel, FACP-1355.
- The in-plant instrument air system was deactivated.
- Five shipments of miscellaneous deactivation waste were shipped to ERDF.
- Prepared the initial draft of the FFTF Surveillance and Maintenance Plan, which is required by the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) milestone M-081-15.

# MAJOR ISSUES

**RL-0011 Nuclear Materials Stabilization and Disposition**

**Issue Statement –** Safety Evaluation Report (SER) #09-SED-0026 contains Conditions of Approval (COA) that direct actions to enable PFP to change E-3 filter room configuration. Due to facility ventilation operating characteristics, taking older filter rooms off-line will require facility modifications to ensure adequate ventilation control.

**Corrective Actions –** A work package to ensure continued facility control of filter room differential pressure after reconfiguration has been drafted and reviewed. RL approval to deviate from current TSR controls has been received that allows this directed action to be completed.

**Status –** An Integrated Technical Recovery Plan was submitted to RL for approval on January 27, 2009. An RL Safety Evaluation Report (SER) has been received. An implementation plan has been prepared with actions planned for April.

**Issue Statement** – Government-Furnished Services/Information (GFS/I) supplied Model 9975 shipping containers had experienced specification issues from both vendors. This has impacted availability of the receiver, SRS, to receive our material and has delayed the schedule of the transportation agency to ship the containers.

**Corrective Actions** – All corrective actions (repackaging, procedure changes, etc.) have been completed.

**Status –** Packaging and shipping operations have resumed; however, these quality assurance issues have resulted in an inability to complete an accelerated SNM de-inventory campaign.

**RL-0012 Spent Nuclear Fuel Stabilization and Disposition**

**Issue Statement** – The shipment of the SF and IXC Monoliths to ERDF have been delayed. During trailer loading, field inspection revealed the use of fasteners that while meeting specification, were not in accordance with the approved tie-down plan. Additionally, after movement to the temporary staging area, moisture was found to be seeping from the SF Monolith and contaminating the protective barrier and trailer, preventing its shipment.

**Corrective Actions** – 1) An investigation revealed that the vendor authorized the procurement of substitute fasteners that met the performance specification in order to expedite the completion of trailer modifications. Approval of the specification change was not obtained nor was notifications made to 100K personnel. The specified fasteners were subsequently received and installed. 2) The investigation of the SF Monolith concluded that the probable source of moisture resulted from rain water seeping into the top cap of the grout, an operation that was performed in the second quarter of 2008. Decontamination of the trailer with application of a fixative/plug in the monolith seams was deemed the most effective action. 3) Follow-up with the vendor is being conducted to identify responsibility and seek relief/settlement on the impacts of the delays caused as a result of their actions.

**Status** – The IXC was placed in ERDF on April 13. Shipment of the SF is scheduled for April 27, 2009. Discussions with the vendor are in progress.

**Issue Statement** – K West Basin operations personnel recently reported difficulty maintaining proper inlet pressure to pump P4 of the IWTS. A potential cause could be that the hose has become partially blocked with settled sludge.

**Corrective Actions** – Two corrective actions have been put in motion: 1) The procurement and installation of a replacement hose. 2) Design and procurement of a retrieval tool, similar to that which will be used for the settler tubes, to clear the hose of future build-up and place cleared sludge in SCS 230.

**Status** – Corrective actions taken to return the IWTS system to expected performance status. Washing of PCM/PPT and IWTS canisters resumed. Final report on this issue.

**Issue Statement** – K West Basin canister washing operations were halted due to the failure of the P2 pump in the IWTS.

**Corrective Actions** – Two corrective actions have been put in motion: 1) the spare pump was withdrawn from spares, new hose attachments manufactured. 2) An additional pump was ordered to replenish the spare inventory.

**Status** – P2 pump was replaced and canister washing resumed on March 20. Final report on this issue.

**RL-0013 Waste and Fuels Management Project**

**Issue Statement –** 85-gallon overpack wedges fail to prevent inner drum movement; adequacy of transportation controls for retrieved drums is suspect.

**Corrective Actions –** Management directive for control of 85-gallon overpack shipments, recovery plan, wedge failure mechanisms, and testing of alternative restraints complete. Testing of current configuration to determine if it meets DOT requirements is in progress.

**Status –** Unable to transport 85-gal overpack drums vented with a NucFil® 007LS filter; drum retrieval on hold until solution is developed.

**RL-0030 Soil, Groundwater and Vadose Zone Remediation**

**Issue Statement –** The regulatory complications associated with the modification to ETF for the management of purgewater has required a change in the purgewater management system strategy. A delay in a new management system coupled with the potential increase in purgewater volumes from new well development methods and additional well drilling from ARRA funds, has amplified the lack of purgewater storage issue noted during the contract transition.

**Corrective Actions –** EPC and Regulatory Management are assessing several technical and regulatory options for purgewater management. Interim solutions have settled on relining of Modutank #2 as a CERCLA action. Modutank #2 is in process of being closed under RCRA. Longer term solutions and opening Modutank #2 under CERCLA are being addressed in an EE/CA.

**Status –** Modutank #1 has approximately eight inches of freeboard, which equates to 120,000 gallons. The EE/CA for relining of Modutank #2 is currently in regulatory review.

**Issue Statement** – Based on review and informal discussions between RL and Ecology regarding the 216-S-10 Pond and Ditch TSD Unit Draft Permit Conditions, there are several potentially significant issues that have the potential for site-wide implications (e.g., pre-existing contamination, wording of

compliance schedules in the site wide RCRA permit, inspection plans, and closure certification). Statements from Ecology indicate that the pre-existing contamination issue, in particular, could impact the Outer Zone strategy implementation.

**Corrective Actions** – CHPRC is supporting RL to prepare a written response to Ecology to the Draft Permit Conditions and related resolution proposals.

**Status** – CHPRC and RL staff are working to prepare the package of information for RL review and action. The next RL/CHPRC meeting is scheduled for April 22, 2009.

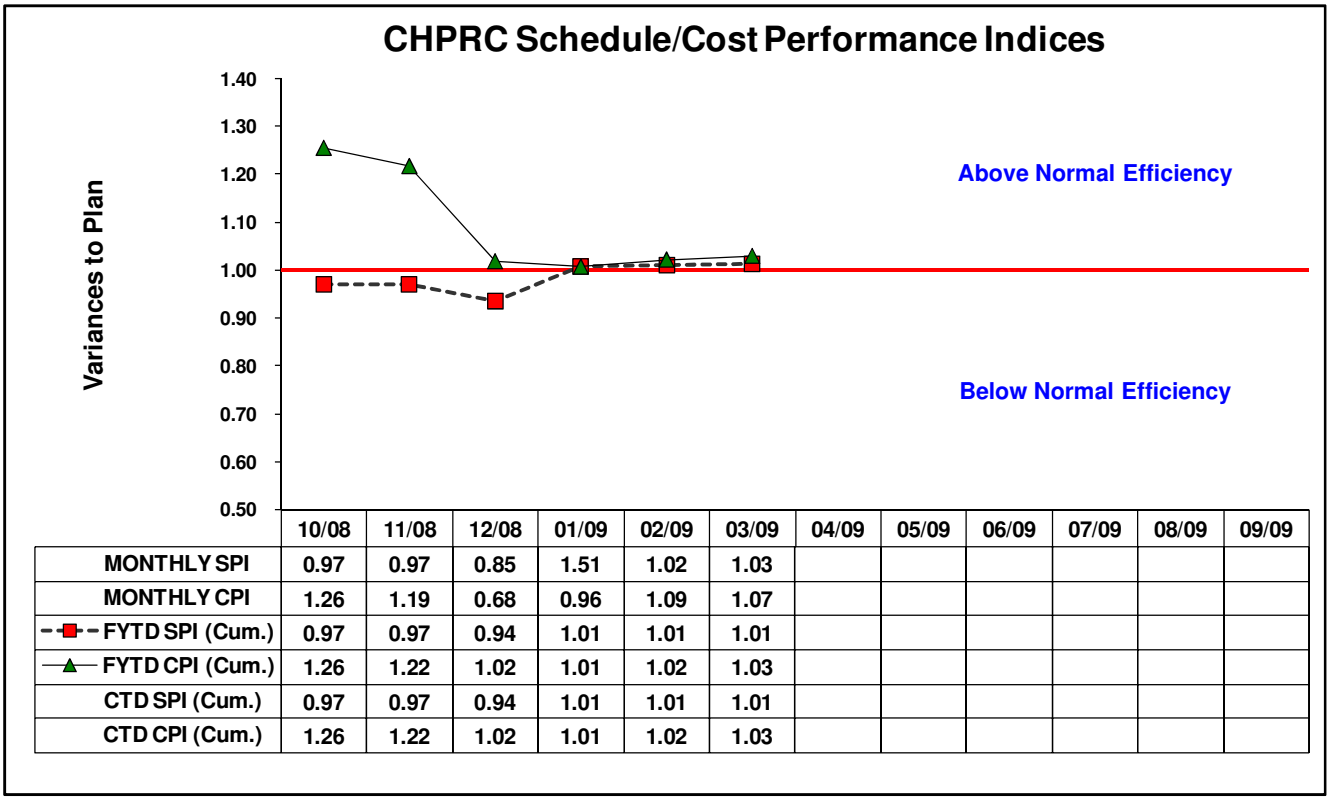
**Engineering**

**Issue Statement –** Engineering met with PFP personnel in November to review the use of HNF-PRO-24208, *HEPA Filter Degradation Evaluation Process,* as part of the implementation of the revised PFP Documented Safety Analysis. In evaluating a suggested corrective factor proposed by DOE-RL, Engineering concluded that the bases for HNF-PRO-24208 might not be technically defensible.

**Corrective Actions –** CHPRC contracted with an independent, off-site, DOE system recognized HEPA expert (Jan Fretthold) to evaluate the CHPRC Filter Degradation Process.

**Status –** HEPA Filter Degradation Process Evaluation, CHPRC-00069, was approved and released into the Hanford Document Control System (HDCS). The document summarizes recommendations made by independent, off-site experts for filter life and management of aging filters. Engineering developed and reviewed a modified HEPA Filter Degradation Flow Diagram with key CHPRC HVAC/HEPA System Engineers. The Flow Diagram/evaluation steps were incorporated into PRC-PRO-EN-24208, *HEPA Filter System Degradation Evaluation Process*. PRC-PRO-EN-24208 was published March 4 and is now being used for HEPA Filter Degradation evaluations. Final report on this issue.

# EARNED VALUE MANAGEMENT




| | 10/08 | 11/08 | 12/08 | 01/09 | 02/09 | 03/09 | 04/09 | 05/09 | 06/09 | 07/09 | 08/09 | 09/09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTHLY SPI | 0.97 | 0.97 | 0.85 | 1.51 | 1.02 | 1.03 | | | | | | |
| MONTHLY CPI | 1.26 | 1.19 | 0.68 | 0.96 | 1.09 | 1.07 | | | | | | |
| FYTD SPI (Cum.) | 0.97 | 0.97 | 0.94 | 1.01 | 1.01 | 1.01 | | | | | | |
| FYTD CPI (Cum.) | 1.26 | 1.22 | 1.02 | 1.01 | 1.02 | 1.03 | | | | | | |
| CTD SPI (Cum.) | 0.97 | 0.97 | 0.94 | 1.01 | 1.01 | 1.01 | | | | | | |
| CTD CPI (Cum.) | 1.26 | 1.22 | 1.02 | 1.01 | 1.02 | 1.03 | | | | | | |

Data reflects implementation of the FY 2009 Interim Performance Measurement Baseline (IPMB) in January. Fiscal year-to-date (FYTD) equals contract-to-date (CTD) throughout FY 2009.

## March Performance by PBS ($000s)

| | Current Period | | | | |
|---|---|---|---|---|---|
| | Budgeted Cost | | Actual Cost | Variance | |
| | BCWS | BCWP | ACWP | Schedule | Cost |
| RL-0011 - Nuclear Mat Stab & Disp PFP | 8,571 | 8,351 | 7,385 | (219) | 966 |
| RL-0012 - SNF Stabilization & Disp | 5,269 | 6,792 | 6,372 | 1,523 | 419 |
| RL-0013 - Solid Waste Stab & Disp | 12,302 | 13,101 | 12,121 | 799 | 980 |
| RL-0030 - Soil &Water Rem-Grndwtr/Vadose | 10,367 | 8,493 | 8,948 | (1,875) | (455) |
| RL-0040 - Nuc Fac D&D - Remainder Hanfrd | 4,134 | 5,328 | 4,472 | 1,194 | 856 |
| RL-0041 - Nuc Fac D&D - RC Closure Proj | 913 | 607 | 642 | (306) | (35) |
| RL-0042 - Nuc Fac D&D - FFTF Proj | 786 | 793 | 723 | 7 | 70 |
| TOTAL | 42,341 | 43,465 | 40,663 | 1,123 | 2,801 |

**Performance Analysis - March**

Significant drivers for the positive Schedule Variance (+$1.1M/+2.7%) include:

- Completing 100K equipment procurement ahead of plan, shipment of Legacy CERCLA waste, and removal of the IXC and SF Monoliths. For STP, early completion of the Engineered Containers sampling campaigns for SCS-240, SCS-250, and SCS-260, and the Settler Retrieval system installation for the Integrated Acceptance Test (IAT) at MASF being ahead of schedule.
- Early delivery of two pieces of demolition equipment.
- Early return of M-91-42 treated waste from offsite, schedule recovery on completing 250 m3 of TRU waste retrieval, some MLLW shipments being ahead of schedule, and earlier than planned recovery from anticipated delays due to weather in preparing for the receipt of Slightly Irradiated Fuel at the ISA. Partial offsets include Mixed Waste Disposal Trench operations delays in the receipt of waste sent for volume reduction and in initiating Modules 3 and 4 work due to inclement weather.
- Delays in S&GWR: For 100 KR-4, KW and KX resin materials not delivered as planned (no impact to project deliverables); additional time needed for 200 ZP-1 leak detection system enhancements (no impact to overall operations schedule) and ZP-1 Mods and Expansion project delays due to issues within the sludge handling process and pipe temperature final calculations; B/C Cribs delay in awarding contracts to address comments on Electrical Resistivity Correlation report, Data Verification/Validation due to resource prioritization; Feasibility Study & Treatability Test planning error; 200 MW-1 delay in the Feasibility Study/Data Quality Objective summary report due to limited resources; and late start of field work in Burial Grounds Sampling & Analysis due to limited resources. Resources are now in place and schedule recovery is expected for the above variances over the coming months.

Significant drivers for the positive Cost Variance (+$2.8M/+6.4%) include:

- Completing retrieval of 250 m3 TRU waste without a comparable use of resources partially offset by the delayed receipt of cost for MLLW treatment completed in a prior period.
- Reduced resource requirements for maintenance and safe compliance of the Plutonium Finishing Plant and D&D activities and under-running instrument calibration contracts.
- Open staffing positions in support for industrial safety, work package planners, and multiple disciplines of engineers. Approximately 15% of the favorable CV in March was within level-of-effort activities such as asbestos abatement and minimum safe oversight in support of S&M where staffing shortfalls result in a direct CV with no impact to the SV. Approximately 20% of the CV is a result of lower than budgeted costs for the capital equipment which was delivered. The remaining CV is within facility D&D activities primarily 212 N/P/R, Industrial 7 and U Ancillary where project support scope is being achieved through the use of overtime, management contribution, and efficiencies wherever they can be made.
- Efficient performance of the Engineered Containers sampling campaign and the Settler Retrieval system installation and test activities plus efficiencies in project management, HIH deactivation, and K East demolition preparations partially offset by higher labor cost in K West Basin operations to maintain and perform corrective actions on equipment.

## Fiscal Year Performance by PBS ($000s)

| | Fiscal Year to Date | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Budgeted Cost | | Actual Cost | Variance | | Fiscal Year BAC | | |
| | BCWS | BCWP | ACWP | Schedule | Cost | Budgeted | FYSF | Variance |
| RL-0011 - Nuclear Mat Stab & Disp PFP | 46,386 | 46,068 | 41,525 | (318) | 4,544 | 100,456 | 100,456 | 0 |
| RL-0012 - SNF Stabilization & Disp | 55,660 | 57,886 | 58,608 | 2,226 | (722) | 93,542 | 93,542 | 0 |
| RL-0013 - Solid Waste Stab & Disp | 68,888 | 71,272 | 70,999 | 2,384 | 273 | 141,779 | 141,779 | 0 |
| RL-0030 - Soil &Water Rem-Grndwtr/Vadose | 51,855 | 49,655 | 50,144 | (2,200) | (489) | 117,204 | 117,204 | 0 |
| RL-0040 - Nuc Fac D&D - Remainder Hanfrd | 19,596 | 20,761 | 17,099 | 1,165 | 3,662 | 50,783 | 50,783 | 0 |
| RL-0041 - Nuc Fac D&D - RC Closure Proj | 1,961 | 2,013 | 1,650 | 52 | 363 | 6,952 | 6,952 | 0 |
| RL-0042 - Nuc Fac D&D - FFTF Proj | 6,111 | 5,944 | 6,014 | (167) | (70) | 8,655 | 8,655 | 0 |
| SUBTOTAL | 250,458 | 253,599 | 246,040 | 3,140 | 7,559 | 519,371 | 519,371 | 0 |
| Management Reserve | | | | | | 11,198 | | |
| Fee | | | | | | 28,000 | | |
| TOTAL | | | | | | 558,568 | | |

### Performance Analysis – FYTD

Significant drivers for the positive Schedule Variance (+$3.1M / +1.3%) include:

- Early return of M-91-42 treated waste from offsite, schedule recovery on completing 250 m3 of TRU waste retrieval, and earlier than planned recovery from anticipated delays due to weather in preparing for the receipt of Slightly Irradiated Fuel at the ISA. Partial offsets include Mixed Waste Disposal Trench operations delays in the receipt of waste sent for volume reduction and in initiating Modules 3 and 4 work in the trenches due to inclement weather.
- Completion of the K East Basin substructure demolition to the 10-foot level ahead of schedule and efficiency of 100K operations staff on the Engineered Containers sampling campaign and shipments for the Sludge Treatment project partially offset by delays in preparing and shipping Legacy CERCLA waste.
- Delays in S&GWR: Contracts for permeameter fabrication, PNL analyses and lab tests due to resource prioritization; 100-HR-3 OU Remedial Design/Remedial Action work plan dependency on completion of modeling; GW monitoring due to a new strategy being developed for Modutanks; well drilling field work; awarding contracts to address DOE comments and completing data verification/validation for B/C Cribs; 200 MW-1 Feasibility Study/Data Quality Objective summary report; and late start of field work in Burial Grounds Sampling and Analysis due to resource prioritization.
- Early delivery of two pieces of demolition equipment.
- Completion of small structure deactivation and demolitions ahead of plan partially offset by delays in preparation of 1706 KEL for demolition.

Significant drivers for the positive Cost Variance (+$7.6M / +3%) include:

- Reduced resource requirements for maintenance and safe compliance of the Plutonium Finishing Plant and D&D activities and under-running instrument calibration contracts.

- Open D&D support staffing positions, level-loaded other direct costs for MSC-provided services including training, fleet services, and fleet maintenance, and reduced pricing for heavy capital equipment.
- Higher than planned labor charging to the K East Basin demolition work activities, additional effort to maintain K West Basin and 100K Facilities, and additional labor charges to resolve Legacy CERCLA waste shipping issues.
- Existing Central Plateau and 100K Area labor force, including D&D crews, performing work with high efficiency.

## Work for Others

Work for Others (WBS 200.01) consists of DOE-directed Requests for Services (RFS) including work for federal and non-federal agencies and inter-DOE work orders. This work scope is reported on a fiscal year basis only.

| | BCWS ($K) | BCWP ($K) | ACWP ($K) | SV ($K) | CV ($K) | BAC ($K) |
|---|---|---|---|---|---|---|
| **Work for Others** | **806** | **806** | **888** | **0** | **(82)** | **2,175** |

**Cost Variance –** The largest single contributor to the unfavorable cost variance continues to be "Investigate 100D Chromium Source Location" with a $274K negative CV due to level loading of budget.

# FUNDING ANALYSIS

**FY 2009 Funds vs. Spending Forecast**
**($M)**

| | | FY 2009 | | |
|---|---|---|---|---|
| | | Projected Funding | Spending Forecast | Variance |
| **RL-0011** | Nuclear Materials Stabilization and Disposition | 109,611 | 109,611 | 0 |
| **RL-0012** | Spent Nuclear Fuel Stabilization and Disposition | 93,823 | 93,823 | 0 |
| **RL-0013** | Waste and Fuels Management Project | 156,226 | 156,226 | 0 |
| **RL-0030** | Soil, Groundwater and Vadose Zone Remediation | 128,832 | 128,832 | 0 |
| **RL-0040** | Nuclear Facility D&D, Remainder of Hanford | 52,952 | 52,952 | 0 |
| **RL-0041** | Nuclear Facility D&D, River Corridor | 7,514 | 7,514 | 0 |
| **RL-0042** | Fast Flux Test Facility Closure | 9,315 | 9,315 | 0 |
| | **TOTAL:** | 558,273 | 558,273 | 0 |

CHPRC will conduct an initial Estimate at Completion (EAC) in April 2009.
For this report, the spending forecast is equal to projected funding.

# BASELINE CHANGE REQUESTS

In Contract Section C.2.1, Transition, DOE provided work scope direction that is in effect from initiation of the Base Period until DOE approval of the Contractor's initial Performance Measurement Baseline submittal. Based on this direction, CHPRC developed a Fiscal Year 2009 Interim Work Plan (IWP) and used this IWP to measure performance through December 2008.

In early February 2009, consistent with RL direction (see letter 09-PRO-0180, 0900429, "Contract Number DE-AC06-08RL14788 – Fiscal Year (FY) 2009 Interim Performance Measurement Baseline (IPMB) Implementation," dated January 30, 2009, CHPRC formally submitted the FY 2009 Interim Performance Measurement Baseline (FY 2009 IPMB) and implemented the FY 2009 IPMB for January 2009 performance reporting. This baseline change request, PRC-09-001, "FY 2009 Interim Performance Measurement Baseline", increased the FY 2009 overall budgeted cost of work scheduled (BCWS) by $5,093K to $518,859K and reduced the management reserve by $1,344K to $11,426K.

While four baseline change requests were approved and implemented in February 2009, there was no overall change to the FY 2009 BCWS and management reserve; the FY 2009 BCWS remained $518,859K and the management reserve remained $11,426K.

In March 2009, eight baseline change requests were approved and implemented. Four of the baseline change requests were administrative in nature and did not impact baseline performance. Two of the remaining four baseline change requests were Advance Work Authorization (AWA) changes made at the request of DOE-RL; one initiated work scope to ship Plutonium-238 (Pu-238) containing drums per contract modification M034 and the other changed the titles of four Level 2 Work Breakdown Structure (WBS) elements in PBS RL-0013 and combined the scope of two Level 2 WBSs into one Level 2 WBS as requested by DOE-RL. The FY 2009 BCWS was increased by the AWA directing the shipment of Pu-238 drums by $284K, well within the 'not to exceed limit' of $300K directed by the contract modification. There was no change in the FY 2009 BCWS from the other AWA.

The remaining two baseline change requests adjusted FY 2009 scope; one increased work scope (BCWS) by adding back into the baseline the CHPRC Transition scope for Project Baseline Summary (PBS) RL-40 inadvertently omitted in the IPMB implemented in January 2009 but offset the increase by using project efficiencies. The other baseline change request added work scope (BCWS) to the Phase IV readiness activities in FY 2009 to remove the K East Basin Substructure in the amount of $228K. Management reserve, in the amount of $228K, was used to offset the increased funds needed to perform this additional Phase IV readiness scope based on risk analysis data. Overall, the FY 2009 BCWS was increased by $512K to $519,371K and the management reserve was reduced by $228K to $11,198K.

# SELF-PERFORMED WORK

Business structure information documents ongoing compliance with the requirements of the Section H.20 clause entitled *Self-Performed Work.* CHPRC expects percentages for small business to increase as the year progresses.

| Year-to-Date Actual Awards & Mods | | | | Projection through FY 2013 | |
|---|---|---|---|---|---|
| FY 2009 thru 4/7/09 | | | | Projected Awards** = | $1,357,949,467 |
| Contracts + Purchase Orders + Pcard | | | | Year-to-Date Awards = | $265,916,516 |
| Reporting Value | Total ($) | Percent of Total | Goal (%) | Balance Remaining to Award = | $1,092,032,951 |
| | | | | Goal Award ($) | Bal. to Goal ($) |
| **SB** | **$102,021,091** | 38.37% | 41.30% | $560,833,130 | $458,812,039 |
| SDB | $10,459,780 | 3.93% | 6.30% | $85,550,816 | $75,091,036 |
| SWOB | $19,520,325 | 7.34% | 5.80% | $78,761,069 | $59,240,744 |
| HUB | $3,745,494 | 1.41% | 2.20% | $29,874,888 | $26,129,394 |
| VOSB | $5,342,078 | 2.01% | 1.30% | $17,653,343 | $12,311,265 |
| SDVO | $762,014 | 0.29% | 1.30% | $17,653,343 | $16,891,329 |
| NAB | $436,024 | 0.16% | 0.00% | ** *5-year subcontracting projection* | |
| Large | $89,541,593 | 33.67% | 0.00% | | |
| GOVT | $241,570 | 0.09% | 0.00% | PRC clause H.20 small business (SB) requirement: | |
| GOVT CONT | $74,082,060 | 27.86% | 0.00% | ≥17% of Total Contract Price performed by SB | |
| EDUC | $41,599 | 0.02% | 0.00% | Total Contract Price: | $4,515,556,411 |
| NONPROFIT | ($31,676) | -0.01% | 0.00% | 17% requirement: | $767,644,590 |
| FOREIGN | $11,970 | 0.00% | 0.00% | Awarded: | $102,021,091 |
| Total | **$265,916,516** | 100.00% | 0.00% | Balance to Requirement: | $665,623,499 |

Notes:

1. The chart represents the socioeconomic statistic for contracts placed as part of the CHPRC FY 2009 contract startup. It includes contract awards, purchase orders, contract modifications and P-Card data through April 7, 2009.

2. Small Business reporting categories (WMBE codes) overlap and are not cumulative.

3. Many of the releases included in this statistic are annual startup contracts issued for an estimated amount for the entire year. Since that includes several major large business contractors (LMSI and FFS), the initial statistic is skewed away from Small Business. Small Business numbers should improve as the year progresses.

# GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

| Contract Section | Project | GFS/I | Status |
|---|---|---|---|
| **CONTRACT** | | | |
| J.12/C.2.1 | Transition | DOE will coordinate with the Contractor to provide access to information and facilities required to support transition of work. | Complete |
| J.12/C.2.1 | Transition | DOE will coordinate with PHMC, MSC, TOC/TFC, RCC, PNNL, and Johnson Controls, Inc. (JCI) to provide Contractor access to information required to support transition of work. | Complete |
| J.12/C.2.1 | Transition | DOE will require PHMC, MSC, RCC[?] and TOC/TFC contractors to assign existing subcontracts upon Contractor request. | Complete |
| J.12/ C.2.2.3.1 | PBS-11 – 3013 Container De-Inventory | DOE will provide necessary NNSA resources and Safeguards Transporters (SGTs) for de-inventory of the 3013s. | Ongoing |
| J.12/ C.2.2.3.1 | PBS-11 – Disposition Special Nuclear Material | DOE will provide the required number of 9975s (approximately 1000) necessary for the de-inventory of 3013s by 1/23/09. | Complete |
| J.12/ C.2.2.3.2 | PBS-11 – Disposition Special Nuclear Material | DOE will provide necessary NNSA resources and Safeguards Transporters (SGTs) for the de-inventory of the Unirradiated Fuel from the Plutonium Finishing Plant to complete de-inventory through 09/09. | Ongoing |
| J.12/C.2.3.6 | PBS-13, Transuranic Waste Certification | WIPP provides shipping resources and manages the schedule for transportation of these containers to WIPP. The schedule is variable and the number of shipments is controlled by DOE-HQ on a complex-wide priority. Cost for shipment of TRU waste offsite is borne by the Carlsbad Field Office (CBFO). | Ongoing |
| J.12/C.3.2 | ISMS | DOE will provide guidance on ISMS within 45 days following contract award. | Complete |
| **PROPOSED** (Reference letter CHPRC-0800025, dated 8/29/08) | | | |
| C.2.2.3 | PBS-11, Disposition Special Nuclear Material | DOE will provide the Certificate of Compliance for the Hanford Unirradiated Fuel Package (HUFP) to support the de-inventory of the Unirradiated Fuel from the Plutonium Finishing Plant. | Complete |
| **PROPOSED** (Reference letter CHPRC-0800249, dated 12-31-08) | | | |
| J.12/ C.2.2.3.2 | PBS-11 – Disposition Special Nuclear Material | Provide receiver site for un-irradiated fuel providing timely disposition. DOE Savannah River Site availability to receive Hanford Un-irradiated Fuel Package shipments on a steady full scale packaging schedule. | |
| J.12/ C.2.2 | PBS-11 – PFP Closure Project | DOE provide timely reviews and disposition of DOE level Baseline Change Requests (30 days), Safety Basis changes (45 days) and all other deliverables requiring DOE/stakeholder | |

| Contract Section | Project | GFS/I | Status |
|---|---|---|---|
| | | approvals (30 days). | |
| J.12/C.2.7 | PBS-12 – SNF Stabilization & Disposition | DOE-RL to approve Authorization Basis changes within 30 days of submittal. | |
| J.12/C2.7.1 | PBS-12 – Maintain Safe & Complaint K Basin Facilities | DOE-RL provides for sufficient ERDF waste containers and removal on schedule to support demolition. | |
| J.12/C2.7.1 | PBS-12 – Maintain Safe & Complaint K Basin Facilities | DOE-RL review of all 100K Area SARPs and Authorization Basis changes needed to support 100KE Basin Demolition is provided within 30 days of submittal. | |
| J.12/C2.7.2 | PBS-12 – KE Basin Demolition | DOE-RL provides for sufficient ERDF waste containers and removal on schedule to support demolition. | |
| J.12/C2.7.2 | PBS-12 – KE Basin Demolition | DOE-RL review of all 100K Area SARPs and Authorization Basis changes needed to support 100KE Basin Demolition is provided within 30 days of submittal. | |
| J.12/C.2.7.3 | PBS-12 – K Basins Sludge Treatment System | DOE-RL approval of the Primary Cleaning Machine (PCM) washing system as meeting Toxic Substance Control Act requirements (i.e., KOP material to be PCB-free by washing it in the PCM) within 30 days of submittal. | Complete |
| J.12/C.2.7.3 | PBS-12 – K Basins Sludge Treatment System | DOE-RL approval of disposal pathways allowing Knock Out Pot (KOP) processing and segregation within 60 days of submittal. DOE-RL approval of KOP coarse fraction to be managed as nuclear fuel within 60 days of submittal. | |
| J.12/C.2.7.3 | PBS-12 – K Basins Sludge Treatment System | DOE-RL review and approval of QAPjP/SAP for the Settler Tube sampling campaign within 30 days of submittal. | |
| J.12/C.2.7.3 | PBS-12 – K Basins Sludge Treatment System | DOE-RL review and approval of QAPjP/SAP for the Engineered Container sampling campaign within 30 days of submittal. | Complete |
| J.12/C.2.7.3 | PBS-12 – K Basins Sludge Treatment System | DOE-RL approval of the preferred Alternative Analysis position as proposed by the Contractor within 30 days of submittal. | Alternatives Analysis Summary Report (HNF-39744 Rev. 0) was submitted to DOE-RL on 1/28/09. CHPRC continues to plan to the recommended option at risk. DOE-RL response and direction projected by 5/30/09. |
| J.12/C.2.7.3 | PBS-12 – K Basins Sludge Treatment System | DOE-RL approval of DOE Order 413.3A Tailoring Strategy within 30 days of submittal. | |
| J.12/C.2.7.3 | PBS-12 – K Basins Sludge Treatment System | DOE-RL/HQ approval of Critical Decision packages within 30 days of submittal. | |
| J.12/C.2.3.1 | PBS-13 – Solid Waste Stabilization & Disposition | DOE-RL directs Other Site Contractors to logically tie waste types, packaging types, and quantities to waste generating activities within their baselines and supports CHPRC requests | |

| Contract Section | Project | GFS/I | Status |
|---|---|---|---|
| | | for forecasting information by June 30, 2008. | |
| J.12/C.2.3.2 | PBS-13 – Solid Waste Stabilization & Disposition | DOE-RL approval of revised HNF-EP-0063, Hanford Site Solid Waste Acceptance Criteria within 30 days of submittal. | |
| J.12/C.2.3.3 | PBS-13 – Solid Waste Stabilization & Disposition | DOE-RL approval of DOE Order 435.1 exceptions for treatment and/or disposal within 30 days of submittal. | |
| J.12/C.2.3.6 | PBS-13 – Solid Waste Stabilization & Disposition | DOE-RL shall provide approval from WIPP for NLOP and AREVA waste streams in support of production schedule. | Waste streams have been submitted to CBFO for approval. |
| J.12/C.2.3.6 | PBS-13 – Solid Waste Stabilization & Disposition | Certification requirements as of October 1, 2008, will be used for certification/characterization of all TRU waste. | |
| J.12/C.2.3.7 | PBS-13 – Solid Waste Stabilization & Disposition | DOE-RL approval of SARP amendment to RTG shipping cask by September 30, 2009. | Working SARP addendum for submittal to DOE by May 1, 2009. |
| J.12/C.2.3.7 | PBS-13 – Solid Waste Stabilization & Disposition | DOE-RL to provide incremental funds, consistent with new direction, for any sampling and/or packaging required to characterize and prepare twelve (12) drums for compliant shipping to Savannah River Site. | Received DOE direction in letter 0900539/09-PRO-0216 to initiate work within existing funds. |
| J.12/C.2.3.7 | PBS-13 – Transuranic (TRU) Waste | DOE-RL to provide all equipment required to transport the twelve (12) drums to the Savannah River Site, in support of direction to prepare and ship. | Working with DOE-RL, NSSA, and DOE-ID for necessary transportation equipment. |
| J.12/C2.5 | PBS-40 – Soil and Facility Remediation/Disposition | DOE-RL provides approval of RAWP, DQO, SAP and Action Memorandum for the 212-N, 212-P and 212-R facilities by March 30, 2009. | |
| J.12/C2.5 | PBS-40 – Soil and Facility Remediation/Disposition | DOE-RL obtains and forwards regulatory approval of the disposition plans for the 241-WR, 241-U-302, 241-UX-302 waste sites and the K East Sand Filter by September 30, 2009. | Deleted |
| J.12/C2.7.5 | PBS-41 – KW Basin Demolition | DOE-RL provides for sufficient ERDF waste containers and removal on schedule to support demolition. | |
| J.12/C2.7.5 | PBS-41 – KW Basin Demolition | DOE-RL review of all 100K Area SARPs and Authorization Basis changes needed to support 100KE Basin Demolition is provided within 30 days of submittal. | |
| J.12/C2.7.6 | PBS-41 – Place K Reactors in Interim Safe Storage | DOE-RL provides for sufficient ERDF waste containers and removal on schedule to support demolition. | |
| J.12/C2.7.6 | PBS-41 – Place K Reactors in Interim Safe Storage | DOE-RL review of all 100K Area SARPs and Authorization Basis changes needed to support 100KE Basin Demolition is provided within 30 days of submittal. | |
| J.12/C2.7.7 | PBS-41 – 100 K Area Structures & Waste Sites | DOE-RL provides for sufficient ERDF waste containers and removal on schedule to support demolition. | |
| J.12/C2.7.7 | PBS-41 – 100 K Area Structures & Waste Sites | DOE-RL review of all 100K Area SARPs and Authorization Basis changes needed to support | |

| Contract Section | Project | GFS/I | Status |
|---|---|---|---|
| | | 100KE Basin Demolition is provided within 30 days of submittal. | |
| **PROPOSED** (Reference letter CHPRC-0900144, dated 3/9/09) | | | |
| C.2.2.3.3 | PBS-13, Slightly Irradiated Spent Fuel | DOE will provide the FH Safeguards and Security technical and protective forces support to startup of the new Interim Storage Area (ISA) Protected Area, including declaration of readiness (to be completed by 9/30/09) to support the relocation of Slightly Irradiated Fuel from PFP to the ISA. | |
| C.2.2.3.3 | PBS-13, Slightly Irradiated Spent Fuel | DOE will provide RL Transportation Manager approval of the tie-down plan for SIF shipments within 30 days after informal submittal. | |